

IMPROVED POLYURETHANE/GEOTEXTILE COMPOSITE AND
A PROCESS RELATED THERETO FOR THE PRODUCTION THEREOF

ABSTRACT OF THE DISCLOSURE

A polyurethane/geotextile composite having greater strength and dimensional stability than composites made with filled polyurethanes is produced by impregnating a geotextile with an unfilled polyurethane composition and allowing the polyurethane composition to cure. The polyurethane composition employed is reaction product of a liquid polyisocyanate having an isocyanate content of at least 10% by weight, a high molecular weight polyether polyol, and an organometallic catalyst. A low molecular weight diol or triol may optionally be included in the polyurethane-forming reaction mixture. These polyurethane/geotextile composites are particularly suitable for lining ditches and canals.